

| HADYLOV, D. A. | | | | | | | | |
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| ore attention shou | ld he paid t | o the wor | kofr | nedical | laboratory | workers. | Fel'd. | 1 |
| kush. No. 3, 1953 | | | | | | | | |
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| 9. Monthly List of | Russian Acc | cessions, | Liora | ry of (| Congress, | | 1973, | Juci. |
| | 4 (4) | | | | | | | |

VASIL'YEVA, A.V.; MEL'KUMYANTS, N.B.; LAVROVA, V.V.; SHADZHANOV, A.M.

NEMTSOVA, V.K.

Milk as a possible transmitting factor of typhoid infection.
Zdrav. Turk. 7 no.3:17-18 Mr '63. (MIRA 16:6)

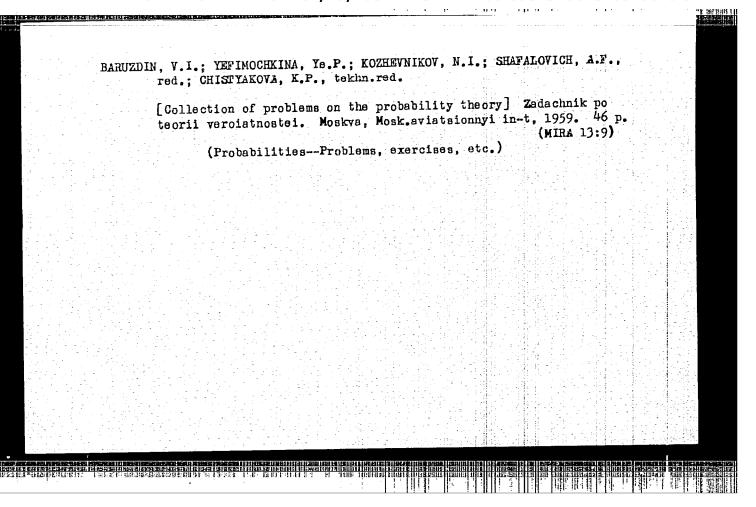
1. I7 Asjkhabadskogo instituta epidemiologii i gigiyeny (dir.
dotsent Ye.S.Popova) i Turkmenskoy respublikanskoy sanitarnoepidemiologicheskoy stantsii (glavnyy vrach V.I.Mamayev).

(MIIK--MICROBIOLOGY) (TYPHOID FEVER)

S/2910/63/003/01-/0151/0154 ACCESSION NR: AT4041506 AUTHOR: Shadzhyuvene, S. D., Savukinas, A. Yu. TITLE: The problem of the classification of 21j-coefficients SOURCE: AN LUSSR. Litovskiy fizicheskiy sbornik, v. 3, no. 1-2, 1963, 151-154 TOPIC TAGS: 21j coefficient, 3nj coefficient, 3nj coefficient classification, 6j coefficient ABSTRACT: In the general class of 3nj-coefficients the number of coefficients increases sharply with n. This makes the proper classification of the coefficients very important. The 82 diagrams for the 21j-coefficients were originally obtained from examination of the sums of products of 6j-coefficients by A. A. Bandzaytis et al. (Trudy* AN Litovskoy SSR, B, 1, 30, 1963). This article presents a table of 21j-coefficients which are classified in accordance with the method proposed for 3nj-coefficients by S. D. Budrite e icients. 1, 271, 1961). The method is based on the non-vanishing properties of 3nj-c The symbols used to denote the coefficients are (p, q, h, x), where p is the number of conditions for the formation of a rectangle, q is the number of conditions for the formation of a pentagon, etc. These symbols are correlated in the table with the number of the diagram as defined by A.A. Bandzaytis. The order in the table is such that the coefficient with a larger number of conditions for the formation of a rectangle is listed first and when the number of Card | 1/2

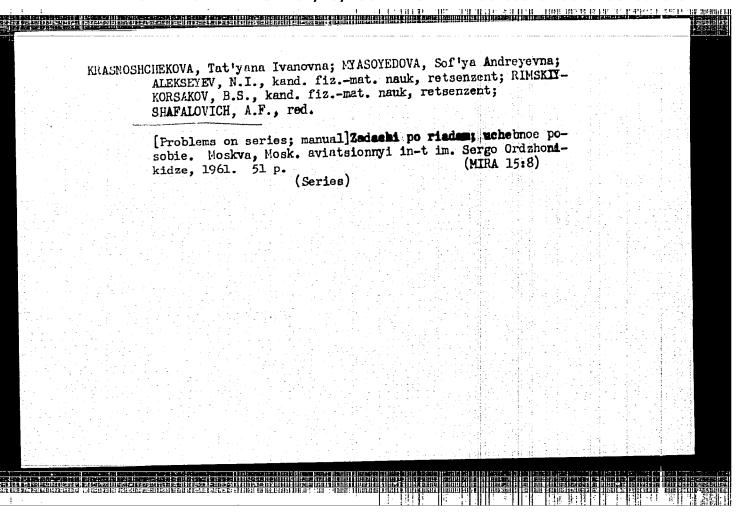
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| - | and Mathematics, Academy of 8 | Sciences, | Lithuani | an 88R) | | | | | | |
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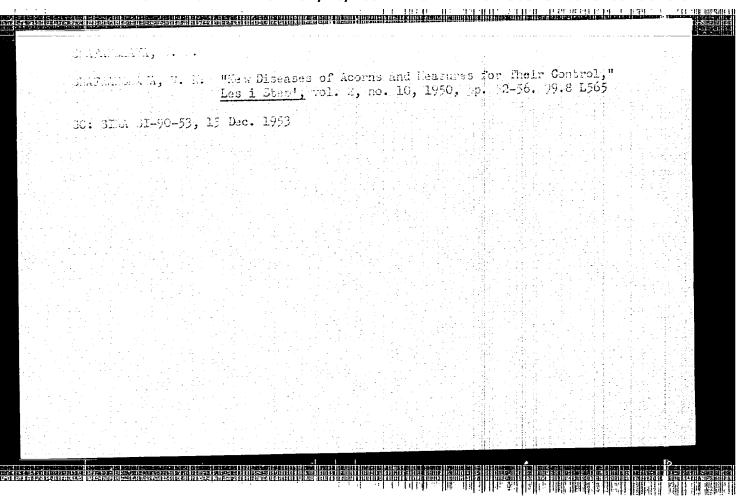
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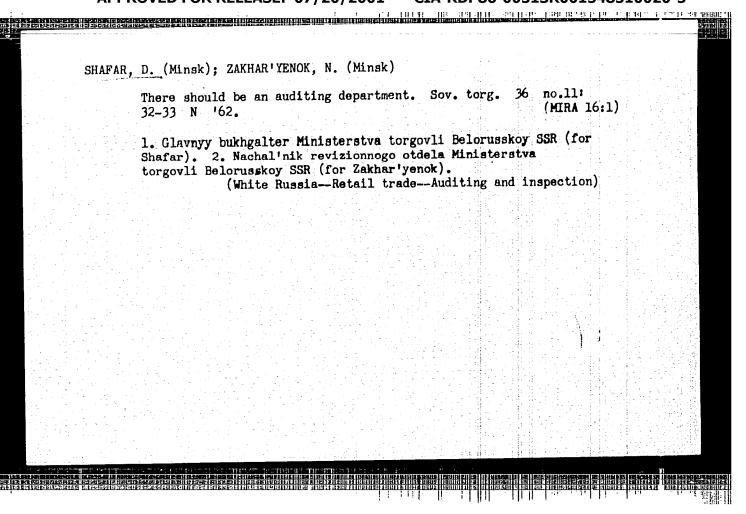


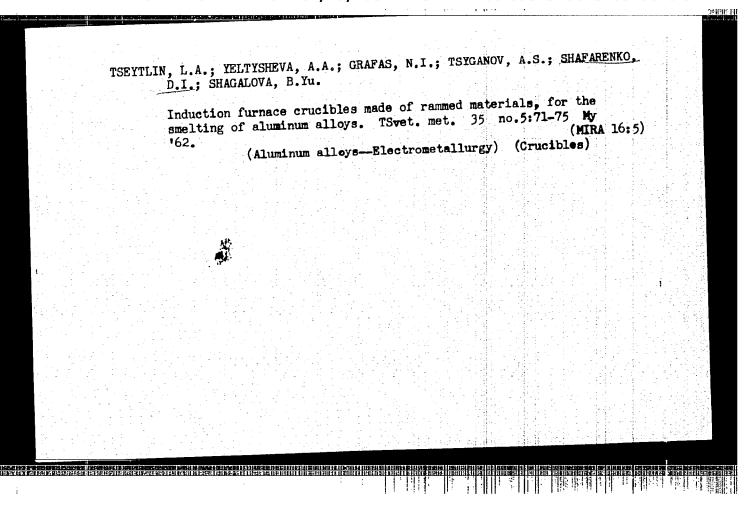
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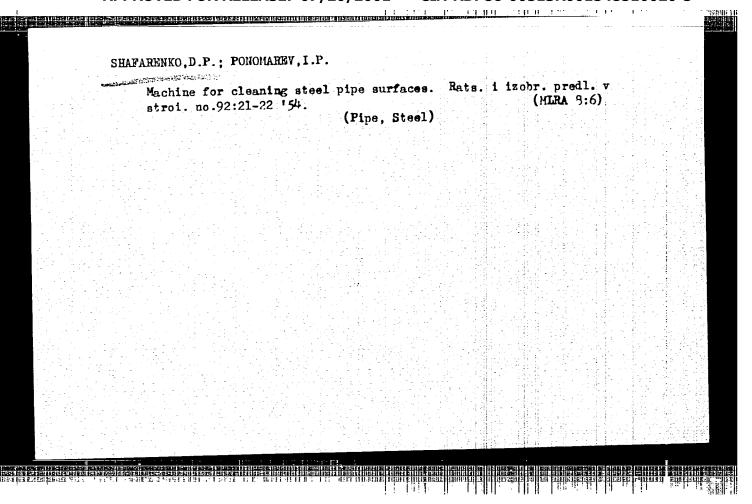
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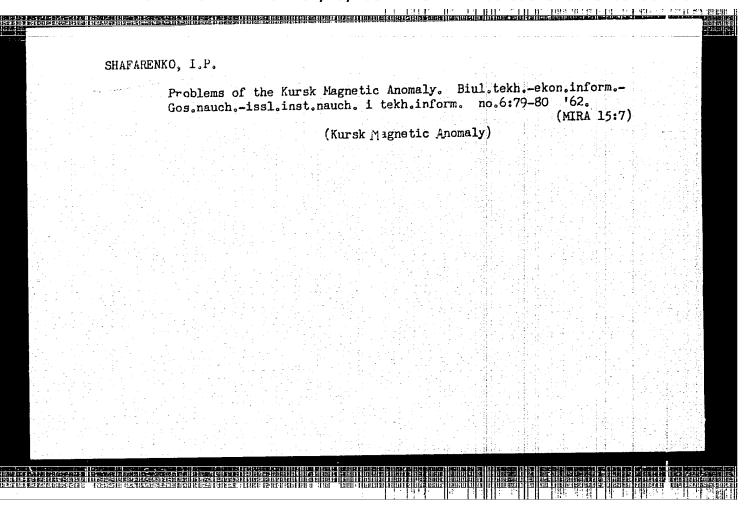








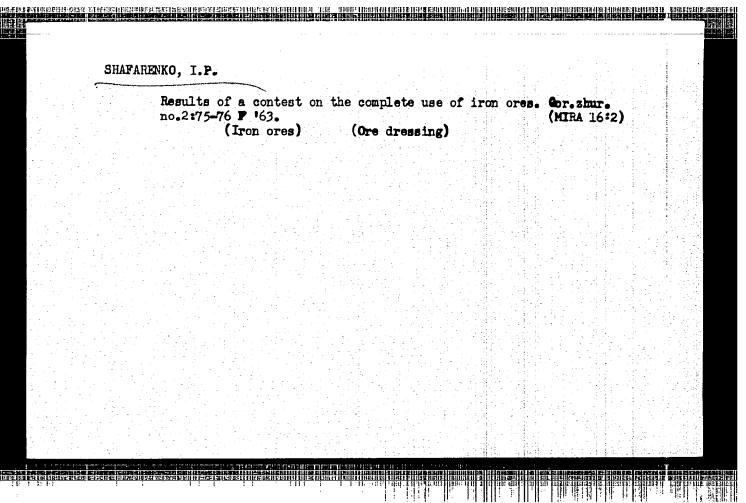
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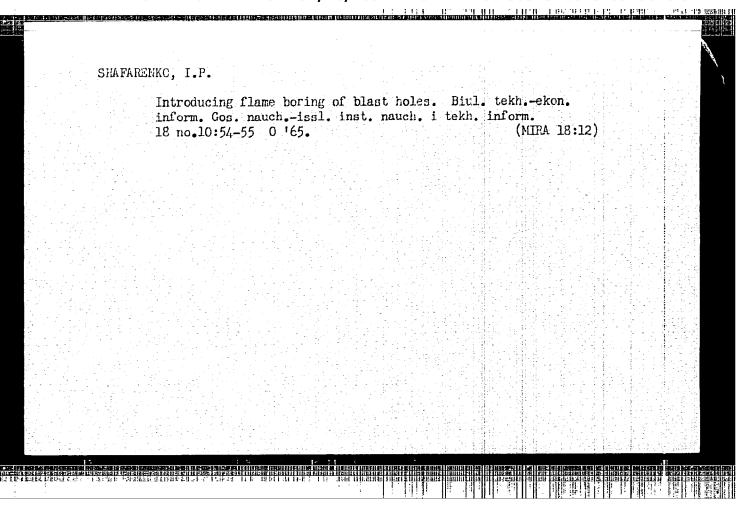


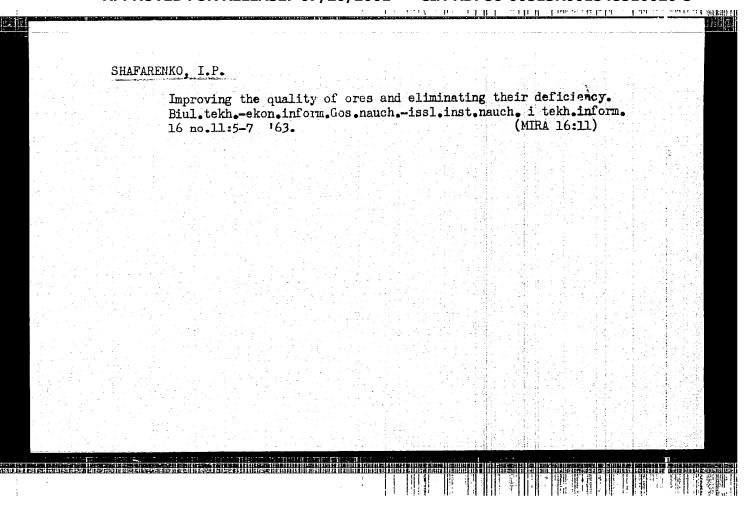
KOROBOV, P.I.; KHL ELIKOV, V.D.; LOLLSON, A.P.; SKOCHIBSKIY, A.A.; SHEVYAKOV,
L.D.; H.P. KU, T.V.; ELESHKIN, T.M.; MASALKOV, V.F.; POKROVSKIY,
M.A.; KALLERG A.P.; BOGLEVIBOV, B.P.; AUTURIOV, H.B.; BOKKO, V.Y.C.;
BEALZA, N.M.; FLDONOV, V.F.; AGOSKOV, W.I.; BALONERKOV, A.V.; VORONIN,
L.H.; IPATOV, P.M.; HAZAKOV, P.P.; SIMISKAMA, O.M.; GURRERKO, M.B.;
FABIHOVICH, V.I.; S.LVSKIY, V.N.; TROTISKIY, A.V.; GOLDIN, YA.A.;
DZIAPARIDZE, YG.A.; ZHRAVLEV, S.P.; KUZ-ETSOV, K.K.; KALLVICH, N.A.;
HALHERKO, M.P.; MARTYHOV, C.P.; HATAFOV, P.F.; PERTS.W, M.A.; ROSSAIT,
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S.APARTEKO, 1.P.

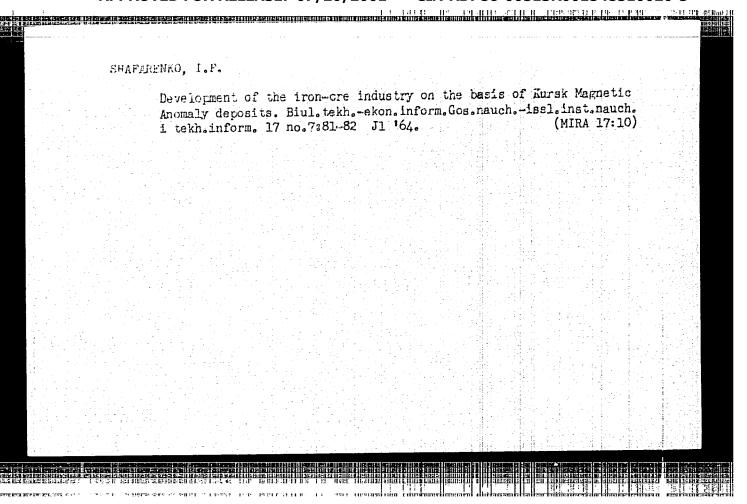
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(MIRA 14:2)

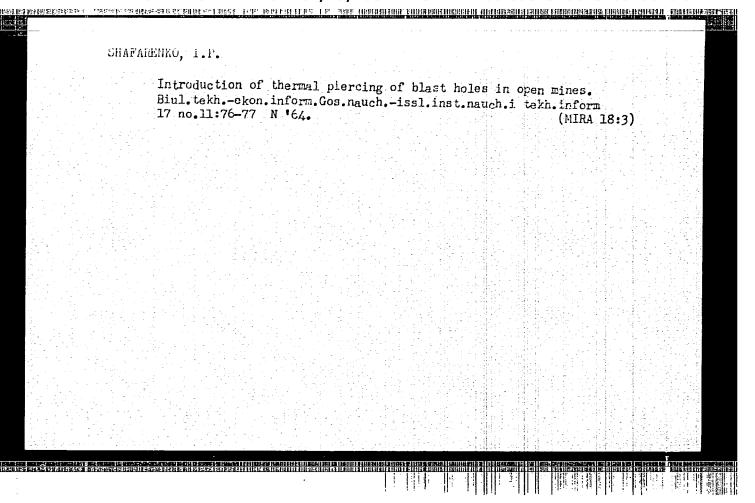
(Patrikeev, Nikolai Nikolaevich, 1890-1960)











SOV/27-59-2-16/30 22 (1) AUTHOR: Shafarenko, M., Deputy School Director TITLE: A Technical Propaganda Workshop (Kabinet tekhnicheskoy propagandy) PERIODICAL: Professional no-tekhnicheskoye obrazovaniye, 1959, Nr 2, pp 25 - 26 (USSR) ABSTRACT: In 1957, the Nauchno-tekhnicheskoye obshchestvo bumazhnoy i derevoobrabatyvayushchey promyshlennosti(NTO) (Scientific-Technical Society of the Paper and Woodworking Industry) decided to establish a Technical Propaganda Workshop in cooperation with the Technical School Nr 6, Kiyev. It was put into operation in January 1958, and has become a center of technical propaganda for the above mentioned school, the Kiyevskiy derevoobrabatyvayushchiy kombinat (Kiyev Woodworking Combine) and the Kiyevskaya mebel naya fabrika imeni Bozhenko (Kiyev Furniture Plant imeni Bozhenko). The school trains joiner-cabinet makers and woodworking machine-operators. In 1958, the Technical Propaganda Workshop organized a series of lectures for the students and instructors of the Card 1/3 school. The lecturers included: Mr. Zbarskiy, Senior

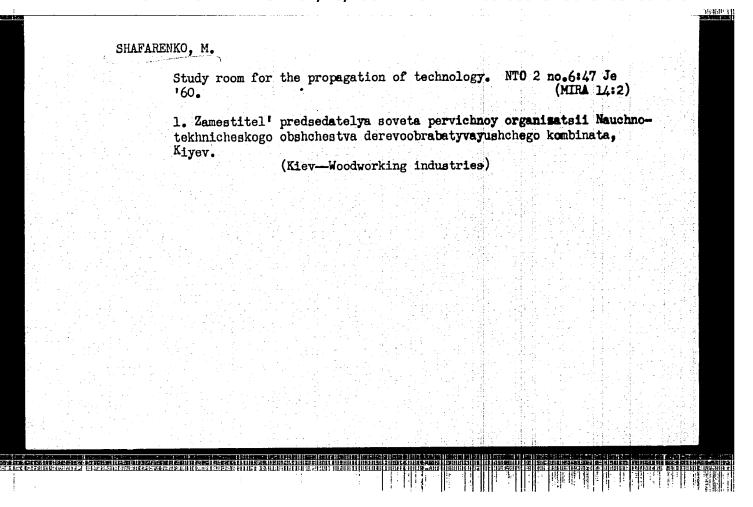
A Technical Propaganda Workshop

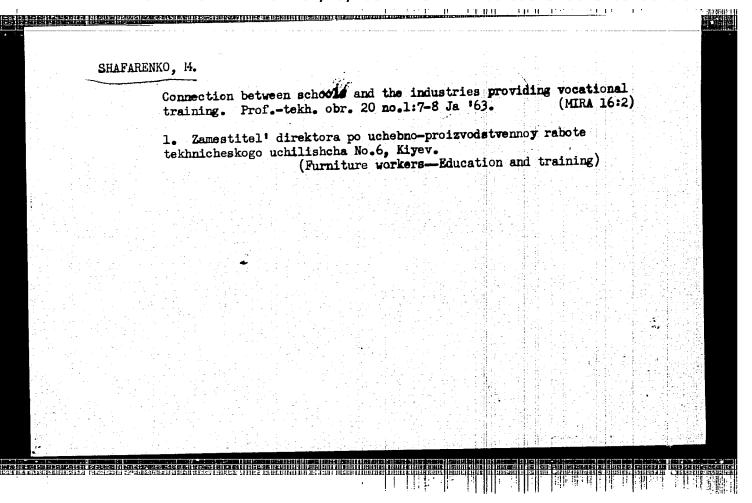
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Scientific Worker of the Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy obrabotki drevesiny (Ukrainian Scientific-Research Institute of Wood Machining); Candidate of Technical Sciences Docent Berdinskikh; Engineer Kharchenko; Mr. Taran, Chief Combine Mechanic; Mr. Naumov, Chief of the Design Office of the Furniture Plant imeni Bozhenko; Docent Petrushi and Mr. Isakov, Senior Scientific Worker at the above mentioned institute. The Workshop's bibliographic activities are of considerable importance, and much has been done to keep abreast of recent literature. Great interest was shown in the group consultations of Mr. Faktor, Chief of the Combine Planning Section, on the specific economics of production, and of Engineers Semenovskiy and Garasevich on the durability of materials and automation of technological processes. The Workshop also organizes discussions and lectures on various themes. Such discussions have been conducted by Mr. Kozak, Director of the Combine, Mr. Salivon, Workshop Chief, and Technical Inspector Matushanskiy. During one of the excursions organized, the participants visited the Kiyevskiy kombinat stroitel nykh detaley (Kiyev Combine of Construction Parts), and were made familiar with the sawdust

Card 2/3

| | doors production by utilizing synthetic glues. |
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| ASSOCIATION; | Tekhnicheskoye uchilishche Nr 6, Kiyev (Technical School Nr 6, Kiyev). |
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PARKHOMSHKO, Vladimir Mikhaylovich; SHAFARENKO, Mark Samoylovich; OSIPOW, M.I., red.; KOVAL'ZON, F.P., red.; NESMYSLOVA, L.M., tekhn.red.

[Training of cabinetmakers and operators of woodworking machines]
Podgotowka stoliarov-kraanoderevtsev i stanochnikov po derevoobrabotka. Moskva, Vses.uchebno-pedagog.izd-vo Proftekhizdat,
1960. 61 p.

1. Starshiy master proizvodstvennogo obucheniya (for Parkhomenko).
2. Zamestitel' direktora po uchebno-proizvodstvennoy rabote
tekhnichaskogo uchilishcha No.6 g.Kiyeva (for Shafarenko).

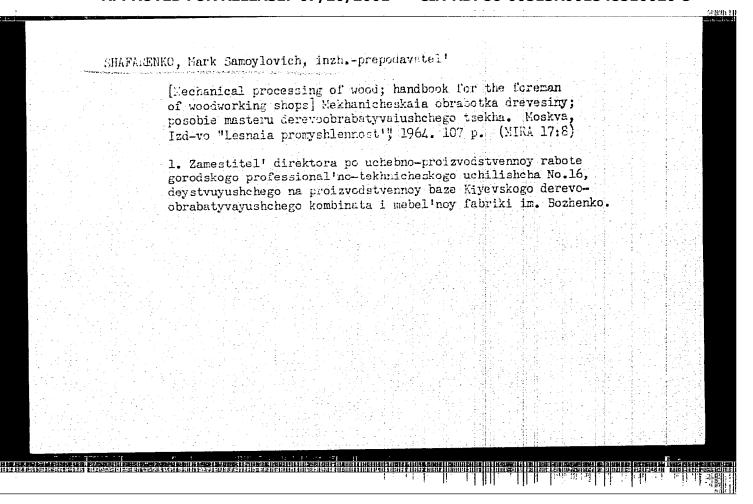
(Woodwork--Study and teaching)

PARKHOMENKO, Vladimir Mikhaylovich, inzh.pedagog; SHAFARENKO.Mark
Samoylovich, inzh.-pedagog; MAKSAKOV, M.P.; red.; SEDOVA, Z.D.,
red. izd-va; SHIBKOVA, R.Y., tekhn. red.

[Engineering and economic calculations in wood processing]
Tekhniko-ekonomicheskie raschety po derevoobrabotke. Moskva,
Goolesbumizdat, 1962. 148 p.

1. Tekhnicheskoye uchilishche No.6 goroda Kiyeva (for Parkhomenko,
Shafarenko).

(Wood-using industries-Tables, calculations, etc.



AUTHOR: Shufarenko, 0.0., Moscow 3-58-4-18/34

TITLE: Vuz Dispensaries (Vuzovskiye profilaktorii)

FERIODICAL: Vestnik Vysshey Shkoly, 1958, # 4, pp 59 - 60 (USSR)

ABSTRACT: Dispensaries were first attached to the Moskovskiy energeticheskiy institut (Moscow Institute of Energetics) and the

Leningrad and Kiyev universities.

Because of the good results, these hospitals were later established at the Tekstil'nyy institut, Politekhnicheskiy institut (Textile and Folytechnical Institutes) in Leningrad as well as at the Lesotekhnicheskaya akademiya (Academy of Forest Technology); in Sverdlovsk-at the Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute), in L'vov - at the PolytechnicalInstitute and University; at the Tartu and Moscow universities; in Kazan' - at the Kazanskiy aviatsionnyy institut (Kazan! Aviation Institute); in Kiyev and Khar'kov - at the polytechnic institutes. At present, there are 20 of these dispensaries attached to the vuzes of the USSR Ministry of Higher Education. They possess 575 beds and have a transient capacity of over 7,000 students per year.

Treatment is convenient as it is of the outpatient type.

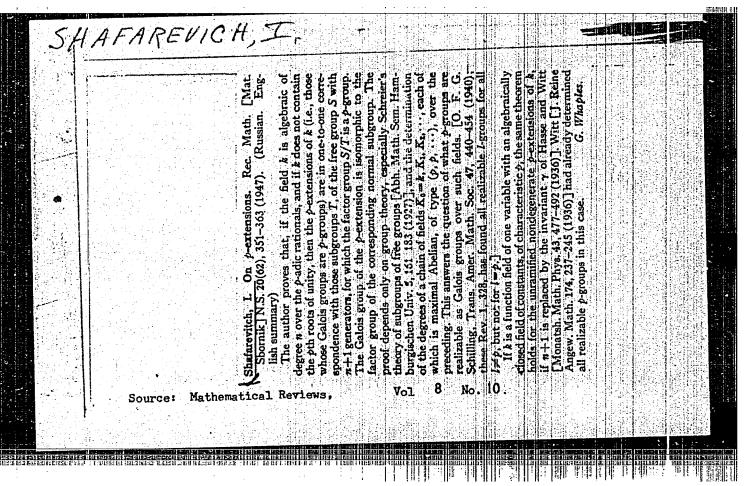
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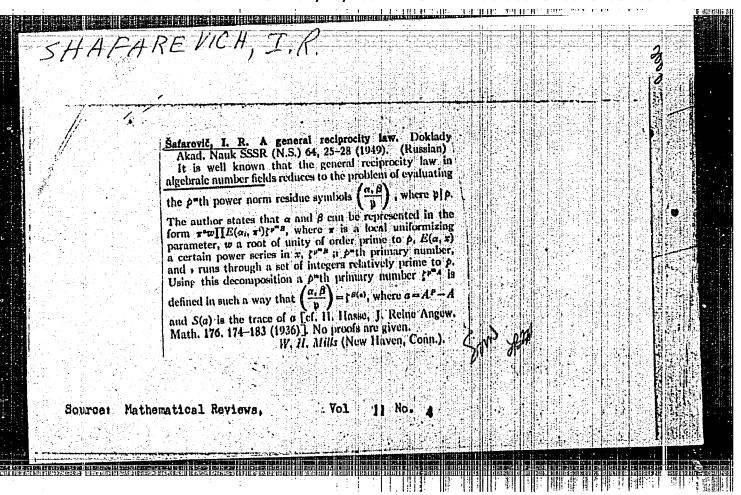
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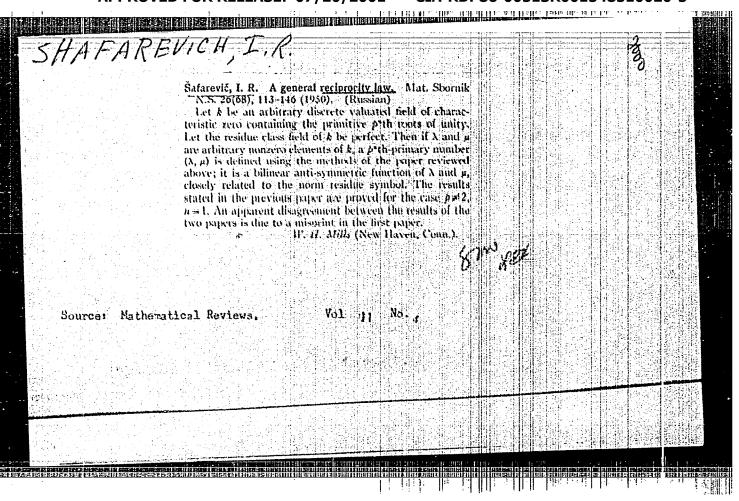
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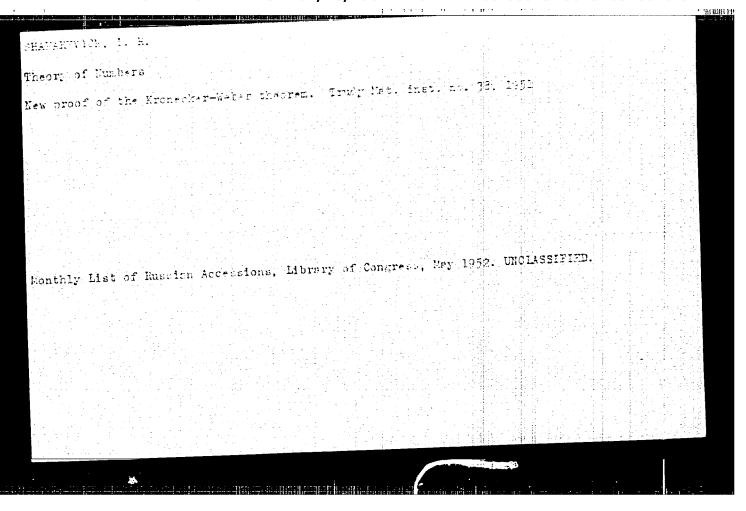
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| | Salarevič, I. R. Investigations on the theory of finite extensions. Uspehi Matem. Nauk (N.S.) 2, no. 2(18), 223–226 (1941). (Russian). [Summary of a thesis at the V.A. Steklov Mathematical lover the development of the theory of algebraic equations from Cardano and Ferrari via Abel and Calois to the present time, and a short account of three cases where a complete time, and a short account of three cases where a complete time, and a short account of three cases where a complete time, and a short account of the deal (antional functions) of a field of varional functions of a field of rational numbers: theory of class fields; (3) field of padic numbers: local theory of class fields; (3) field of padic numbers: local theory of class fields; (3) field of padic numbers: local theory of class fields; (3) field of padic numbers: or at mittee extension of it as estided. The ground field must not contain the generalizer, then a concepted the ground field must not contain the generalizer, then a concepted concepted fromes not contained the Galois group of Ki is isomorphic to \(\text{N} \); and \(\te |
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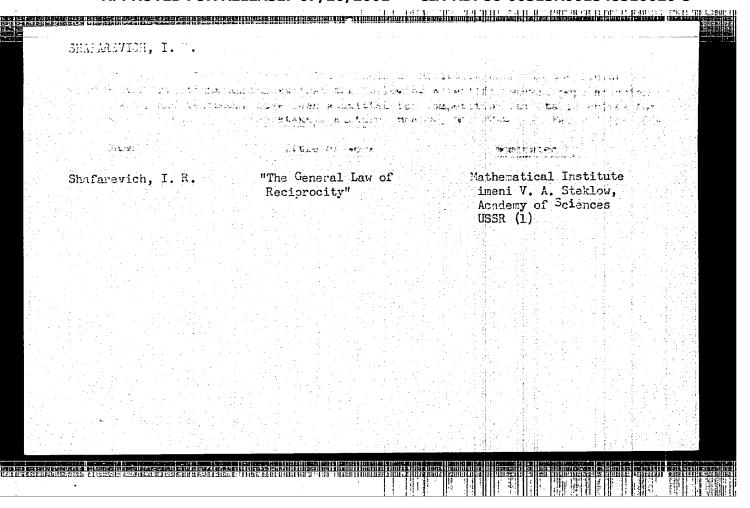


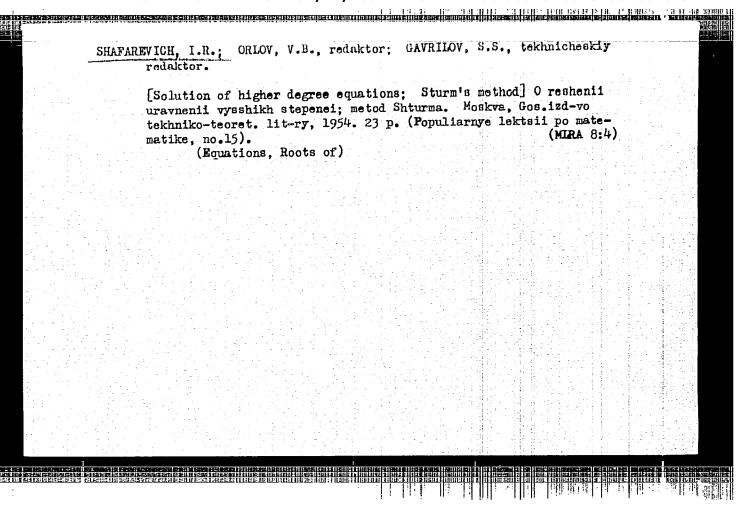


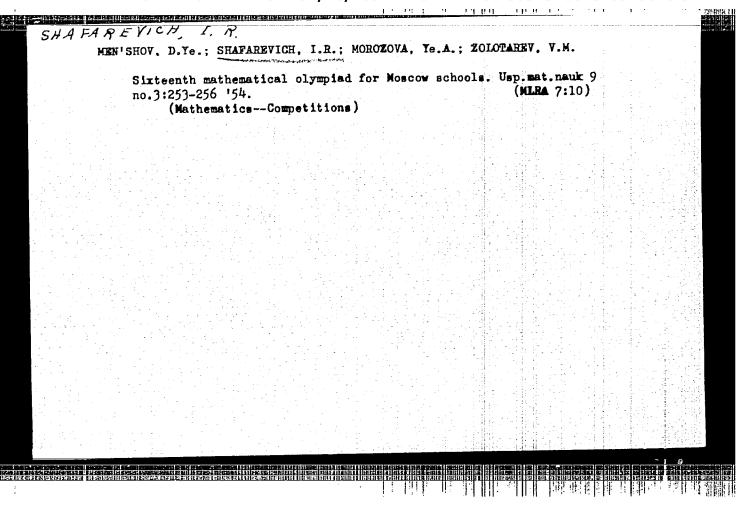




| SHAFAREVICH, I. R. | All-Union Conf on Algebra and Number Theory was held in Moscow, 7 - 12 Sep 51, with 102 mathematicians from various cities of the Union taking part (namely, Moscow, Leningrad, Sverdlovsk, Molotov, Khar'kov, Petrozavodsk, Vil'nyus, Tallin, Tomsk, Kishinev, Chernovits, Kazan', Rostov, Uryupinsk, Ufa, Saratov, Samarkand, Alma-Ata, Ivanov, 218772 | "Conference on Algebra and on the Theory of Numbers," I. R. Shafarevich "Uspekh Matemat Nauk" Vol VII, No 3 (49), pp 151- | USSR/Mathematics - Number Theory, May/Jun 52. | by active discussion amounting to nearest server and them. Brief abstracts of some of the reports are given, but the complete report is given in the cases of Kurosh, Delone, Kolmogorov, Markov, Gelfond, Meyman, Sanov, Vilenkin, and concluding remarks by Delone. | USSE/Mathematics - Number Theory, (Contd.) May/Jun 52 Modern Algebra (Contd.) Minsk) and with 54 reports being read, accompanied |
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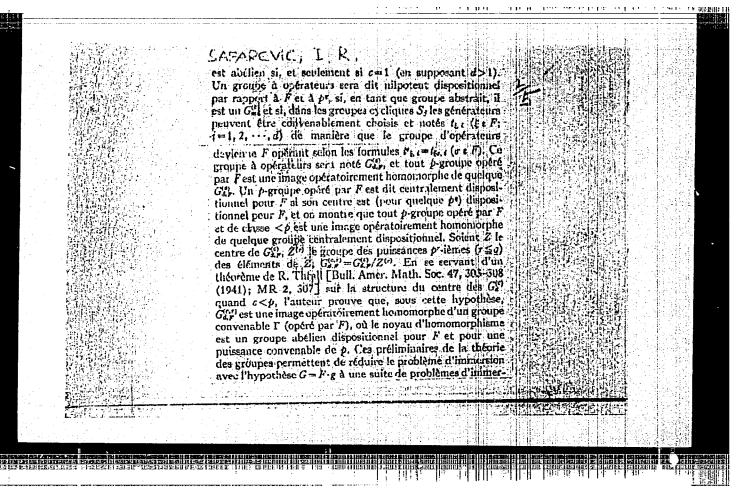


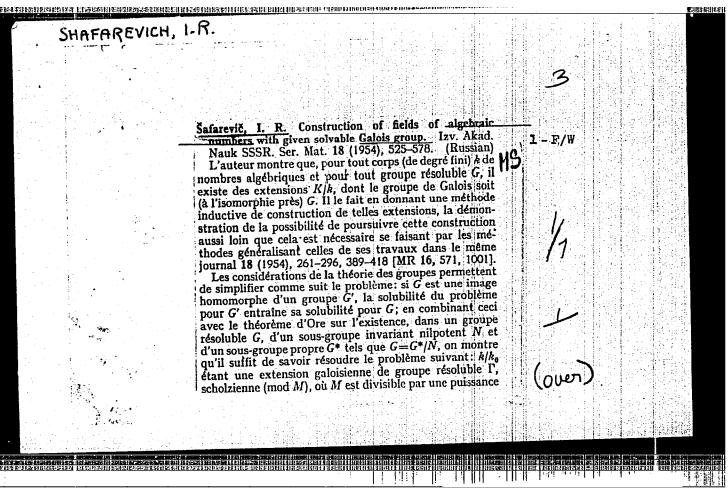


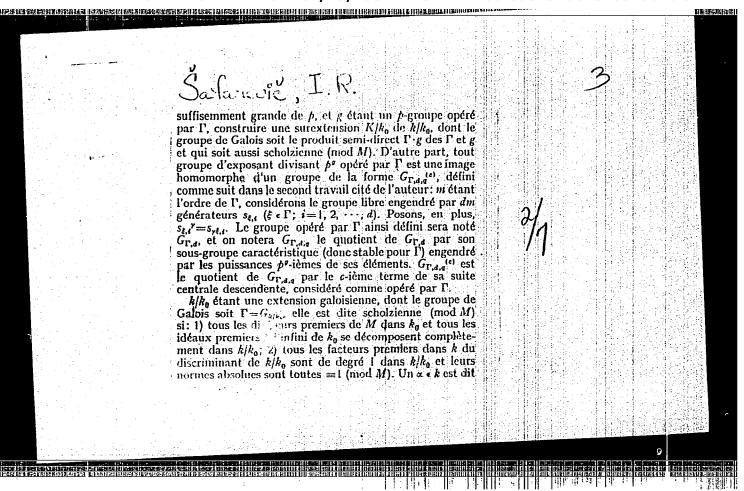


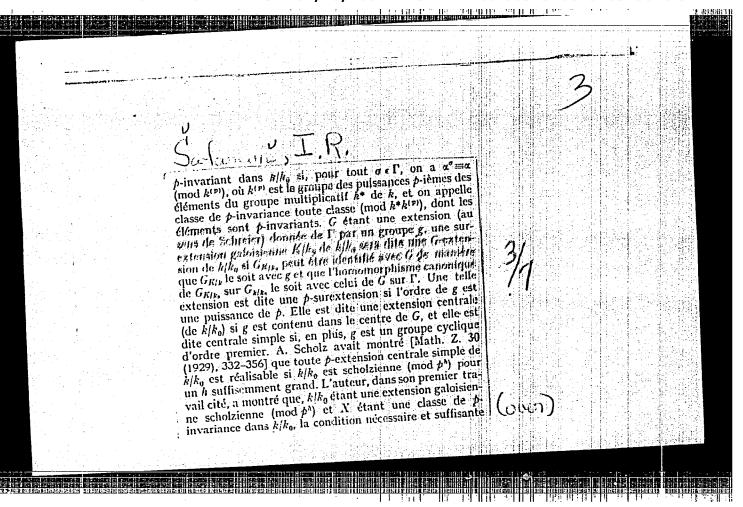
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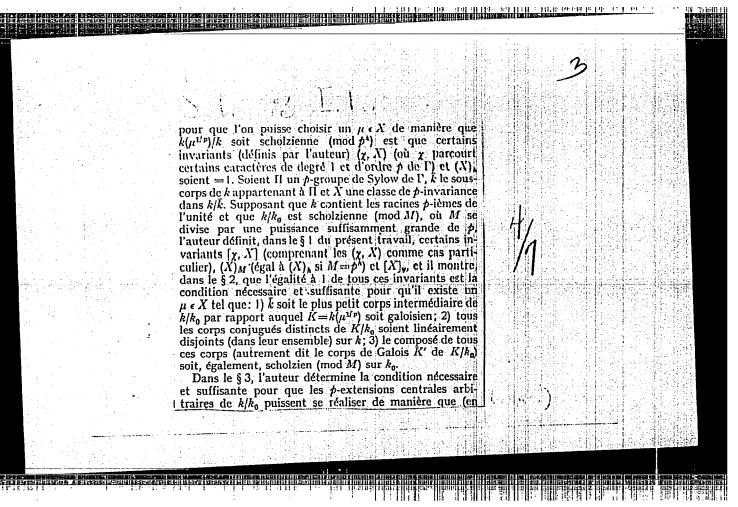
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| | Le "problème d'immersion," qui fait l'objet du travall, | | |
| | est le suivant: soient G un groupe (d'ordre fini), g un souis- | | |
| | groupe invariant de G , F le quotient G/g . Si k_0 est un corps (de degré fini) de nombres algébriques, et si k/k_0 est une | | |
| 그 그렇다 경찰 하다 하는 것 같아. | extension galoisienne, dont le groupe de Galois Gin, est | | 4. 热点等强度抗 |
| | identifia avec F il g'agit de prouver (si possible) i existence | | 连门里 医牙 |
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| | sion galoisienne K/ka de k/ka dont le groupe de Gaiois | | |
| | Con suisse être identifié avec G de telle manière que l'appli- | | |
| | cation canonique de Gris, sur Gris, s'identifie avec l'homo- | | |
| | morphisme canonique de G sur F. L'auteur résout ce | | 4.作品。[[13] |
| 그 그릇, 그릇을 들었는데 하는 것 같다. | problème [dont le cas où g est commutatif a été résolu par A. Scholz, Math. Z. 30, 332-356 (1929)] dans le cas, où, à | | |
| | la fois: 1) G est le produit semi-direct F g de F et de g; | | |
| 그 그릇과 계획 전기 등을 이 하는 것들이 | 2) g est un p-groupe; 3) ou bien la classe c de g est < p. | | 第4章 医水杨素 |
| | ou bien l'ordre in de F est premier à D. | | |
| | A. It certains types de groupes, appelés nilpotents dis- | | |
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| | Une puissance p? de p étant fixée, soit $G_d^{(c)}$ le quotient du | | |
| | produit libre de d groupes cycliques $S_j = [s_j]$ d'ordre p^* par le c -ième terme de sa suite centrale descendante. Ce groupe | | |
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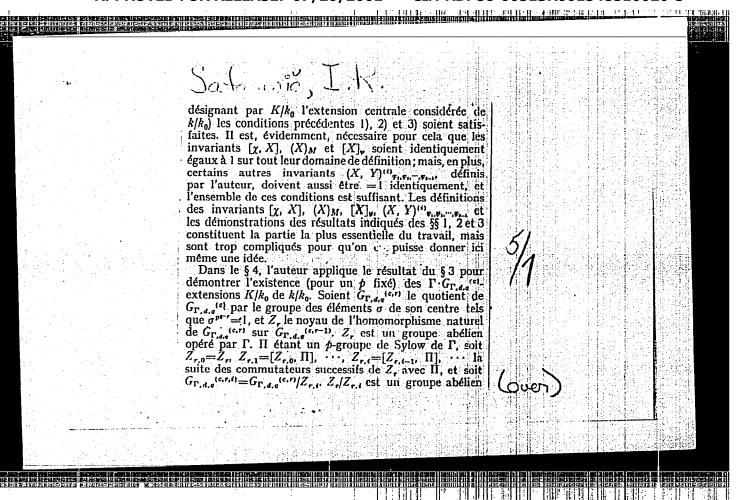


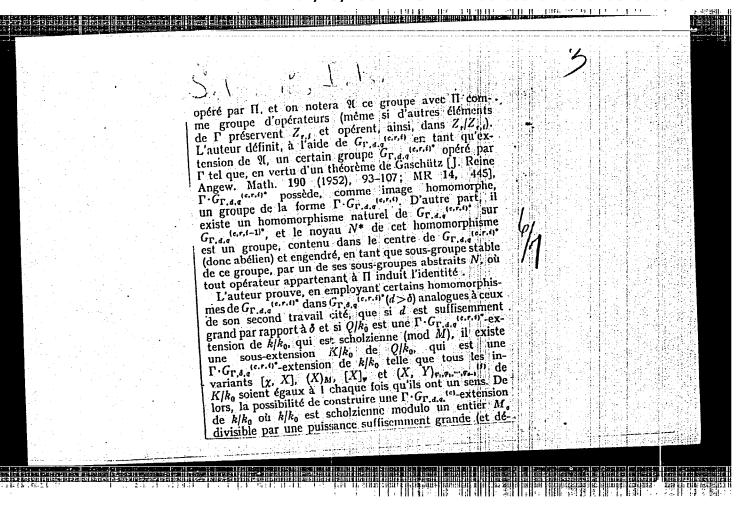


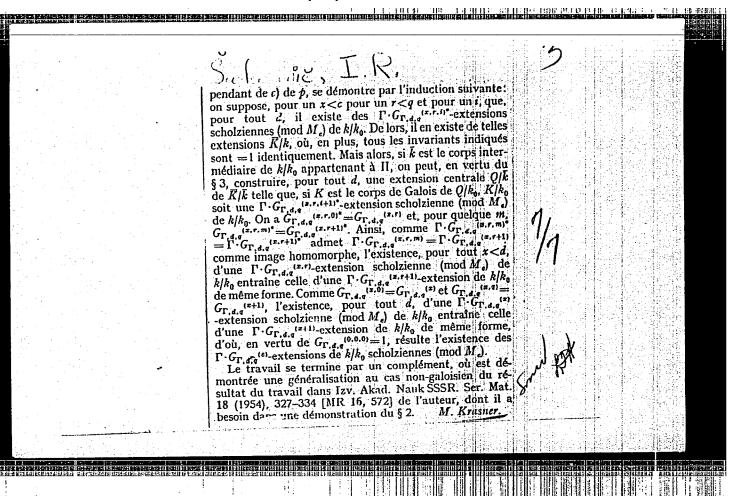


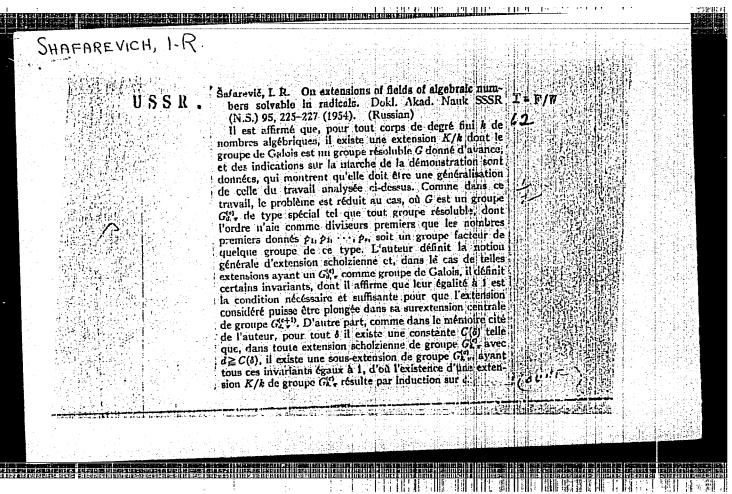


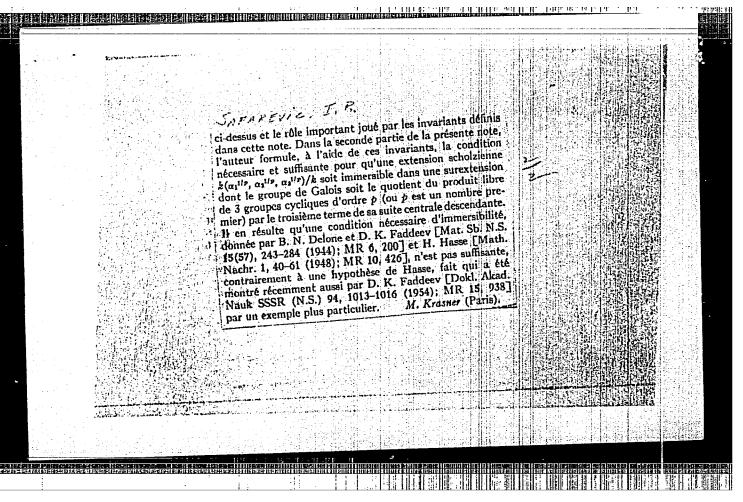


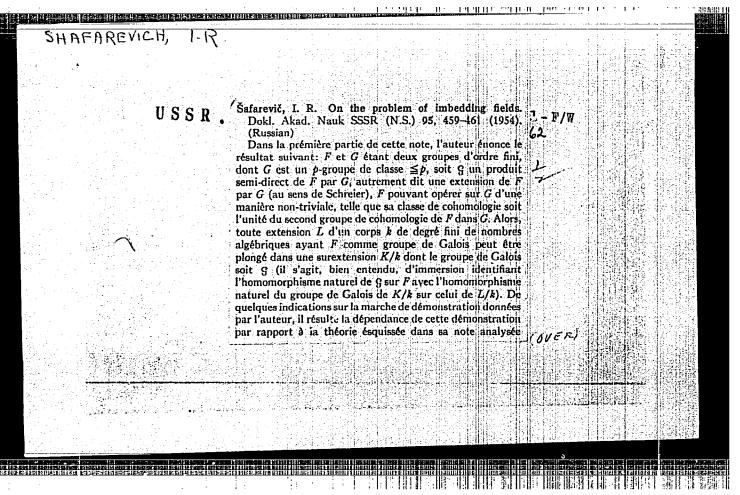


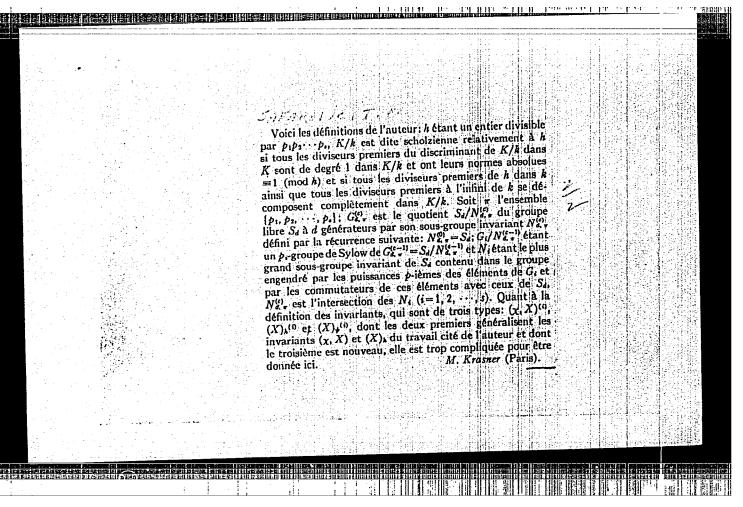




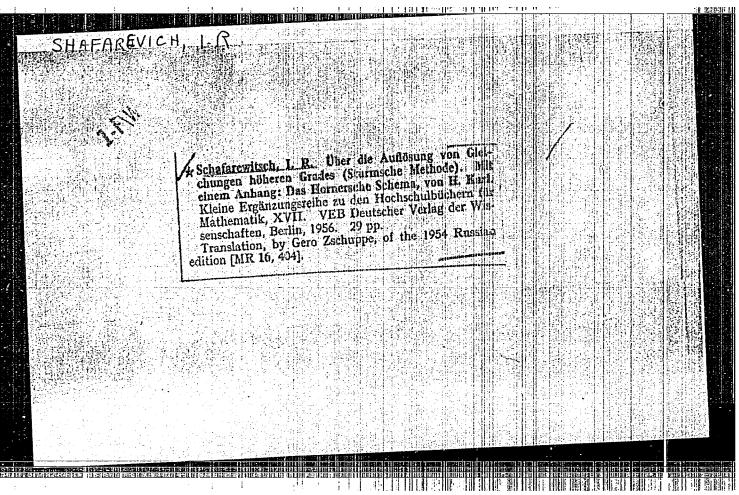








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TRANSLATION FROM: Referativny zhurnal, Matematika, 1957, Nr 1,

p 25, (USSR)

AUTHOR:

Shafarevich, I.R.

TITLE:

The Galois Theory and the Arithmetic of Numerical Fields (Teoriya Galua i arifmeticka chislovykh

poley)

PERIODICAL:

Tr. 3-go Vses. matem. s"yezda, 2, Moscow, AN SSSR,

1956, p 8

ABSTRACT:

Bibliographic entry

Card 1/1

20-2-9/60 Shafarevich, I. R. AUTHOR: Equivalence of the Elliptical Curves (O biratsional noy ekvivalentnosti ellipticheskikh krivykh) TITLE: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 2, pp.267-270 PERIODICAL: (USSR) The author examines elliptical curves (curves of type I) over any field k. Of this field it is only assumed here that its ABSTRACT: characteristic is different from 2 and 3. Two curves with Weierstrassian form are then and only then birationally equivalent when their absolute invariants $j = 4a^3/(4a^3 + 27b^2)$ are identical. When k is not algebraically closed the elliptical curve given over k can in a certain finite expansion of the field k be brought to the Weierstrassian form. The author here examines a certain finite normal expansion K/k of the field k and investigates the elliptical curves γ , which are given over k and are birationally equivalent to ω over K. Any automorphism 6 of the field K/k can be continued to the auto- $\varphi_{\mathbf{r}}(\sigma)$ of the field K(M) (when M°= M) and then it morphism Card 1/3

20-2-9/60 Birational Equivalence of the Elliptical Curves can, due to the isomorphism of K(M) with K(x,y), be transferred to K(x,y). Evidently $\varphi_{r}(\sigma\tau) = \varphi_{r}(\sigma) \varphi_{r}(\tau)$ applies. The case inverse to this is also discussed. When the automorphisms spare written down in the form $s(x,y) = \varepsilon(x,y) + p$, theorem 1 is obtained: Every elliptical curve γ over k, which over K to the curve ω is birationally equivalent with the equation $y^2=x^2+$ + ax + b; a, b, ϵ , k determine the system of the automorphisms $\mathcal{E}_{\gamma}(\sigma)$ of the field K(x,y) and the points $P_{\gamma}(\sigma)$ of the curve ω over K. The following relations apply: $\varepsilon_{\gamma}(\sigma\tau) = \varepsilon_{\gamma}(\sigma) \varepsilon_{\gamma}(\tau)^{\sigma} P_{\gamma}(\sigma\tau) = P_{\gamma}(\sigma) \varepsilon_{\gamma}(\tau) + P_{\gamma}(\tau)^{\sigma}$ Every system of automorphisms and points satisfying these conditions is determined by a certain curve γ . The curves γ_1 and γ_2 are then and only then birationally equivalent when such an automorphism ϵ and such a point P on the ω exists $\varepsilon_{\gamma_1}(\sigma) = \varepsilon_{\gamma_2}(\sigma) \varepsilon^{1-\sigma}, P_{\gamma_1}(\sigma) = \varepsilon^{-\sigma}(P_{\gamma_2}(\sigma) + \delta_{\gamma_2}(\sigma) P - P^{\sigma})$ applies. Some further theorems are given, one of them reads as follows: There exists only a finite number of birationally equivalent nonequivalent curves over the field of the alge-Card 2/3

Birational Equivalence of the Elliptical Curves

braic numbers k which have the given value of the absolute invariant j and a simple first degree divisor in the given finite expansion K/k. There are 9 references, 2 of which are Slavic.

PRESENTED: November 13, 1956, by I. M. Vinogradov, Academician

SUBMITTED: November 12, 1956

AVAILABLE: Library of Congress

Card 3/3

20-114-4-10/63 Shafarevich, I. R. Exponents of Elliptic Curves (Pokazateli ellipticheskikh AUTHOR: TITLE: krivykh) Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 4, pp. 714-716 PERIODICAL: The present paper shows the following: Above the field of rational figures R elliptic curves pexist with exponents of any quantity, where even the Jakobi curve w can be prescribed to the ABSTRACT: curve win any manner. For the proof the author uses the group $H(\omega)$ which is formed by the classes of birational curves, equivalent above k, with an assumed Jakobi curve W. This group was first defined by A. Weil in Am.J. Math., Vol. 77, Nr 3, p. 493 (1955). The author further uses a construction of this group already described in one of his previous papers. The following homomorphism applies: $g: H^1(G, \mathcal{C}_K) \to H^1(G, \mathcal{C}_K)$. First the author investigates the group H1(Gy, Cky). The equation of w is assumed to have the form $y^2 = x^3 + ax + b$, $\Delta = 4a^3 + 27b^2 \neq 0$, where a and b are integer numbers. By Hp the author denotes the subgroup of those elements of the group H whose orders with p Card 1/3

Exponents of Elliptic Curves

20-114-4-10/63

are mutually elementary. In the study of the group $H^1(G_{\mathcal{G}},\mathcal{U}_{K_{\mathcal{F}}})_p$ it can be assumed that the field Ky has no higher branch. Some definitions and assumptions are then given. Finally the author gives two theorems. The first is not included in this abstract, since it would require an explanation of all terms contained in it, but the seconds read as follows: In the group of elliptic curves which possesses an assumed Jakobi curve above the field of rational figures elements of any order exist. To that belongs the following corollary: Among the elliptic curves possessing an assumed Jakobi curve above the field of rational figures curves exist whose exponent is divisible by any assumed figure. All proofs, with considerable simplifications, are also applicable to the fields of rational functions above the field of complex numbers. There are 9 references, 2 of which are Slavic.

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December 26, 1956 by I.M. Vinogradov, Member of the Academy PRESENTED:

SUBMITTED: December 20, 1956

Card 3/3

STAFAREURH, I.R. 20-6-4/48 AUTHOR: KOSTRIKIN, A.I., SHAPAREVICH, I.R. TITLE: Homslegy Groups of Milpotent Algebras (Gruppy gomologiy nil'potentnykh. algebr) PERIODICAL: Doklady Akad. Hauk SSSR, 1957, Vol. 115, Nr. 6, pp. 1066-1069 (USSR) ABSTRACT: The authors consider the upper homology groups H (N,k), where N is a nilpotent associative algebra of finite rank over an arbitrary field k. Let the dimension of the vector space Hn(N,k) be b and it is called the n-dimensional Betti's number of M. Theorem: Let $N = N_1 + ... + N_m$ be a direct sum of m nilpotent algebras; $R_{\overline{N}}(t) = \sum_{n=0}^{\infty} b_n t^n = R(t)$, $R_{\overline{N}_1}(t) = R_1(t)$ the corresponding Poincere's functions. $\frac{1}{R(t)} - 1 = \sum_{i=1}^{m} (\frac{1}{R_i(t)} - 1).$

Theorem: We have

 $b_n - b_{n-1} + \dots + (-1)^n b_0 \geqslant \frac{1 + (-1)^n}{2}$, $n=1,2,\dots$

Card 1/2 Theorem: The Betti's numbers of a nilpotent algebra and a finite

Homology Groups of Milpotent Algebras

20-6-4/48

p-group are positive. Theorem: If all Betti's numbers of a nilpotent algebra $\mathbb F$ are bounded in their totality over a finite field k, then $R_{\mathbb N}(t)$ is

a rational function. (Conjecture: for every nilpotent algebra of finite rank the $R_{\overline{\bf n}}(t)$ are rational functions of t).

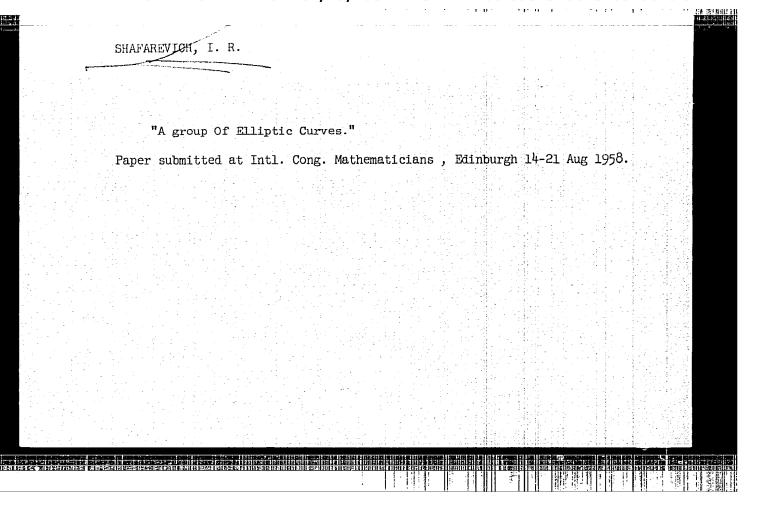
Some further similar results and one example for the existence of infinitely many algebras with bounded Betti's numbers are given.

ASSOCIATION: Mathematical Inst.im.V.A.Steklov, AN USSR (Matematicheskiy institut im.

V.A.Steklova AN SSSR)

SUBMITTED: March 21, 1957 AVAILABLE: Library of Congress

Card 2/2



naterich, Lik

AUTHOR:

VENKOV, B.A., SHAFAREVICH, I.R.

42-1-11/13

TITLE:

Dmitriy Konstantinovic Faddeyev On the Pagasion of his 50th

Birthday) (Dmitriy Konstantinovice Faddeyev (k pyatidesyatiletiyu

so dnya rozhdeniya))

PERIODICAL: Uspekhi Matematicheskikh Nauk, 1958, Vol. 13, Nr. 1, pp. 233-238 (USSR)

ABSTRACT:

This survey represents the scientific career of the algebraist and number theorist D.K. Faddeev (Leningrad) and contains a list of 38 publications of Faddeev and a photo of him.

AVAILABLE: Library of Congress

Card 1/1

1. Biography 2. Scientific reports-Mathematics

AUTHOR: Shafarevich, I.R. sov/20-120-6-14/5S TITLE: The Embedding Problem for Decomposing Extensions (Zadacha pogruzheniya dlya raspadayushchikhsya rasshireniy) PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 120, Nr 6, pp 1217-1219(USSR) Let a normal extension k/Ω be given with Galois group F, a ABSTRACT: group G and an epimorphism $\varphi \colon G \to F$. The embedding problem consists in the establishment of conditions under which a normal extension K/S with Galois group G exists, so that K \supset k and φ is identical with the natural homomorphism of the Galois group of the field onto the Galois group of the sub-Let G be a decomposing extension of its inverse image F under the homomorphism φ (i.e. G is assumed to contain a subgroup which is isomorphically mapped onto F by φ). Let N be the kernel of φ , then it is G = F · N, and the author says: G is a decomposing extension of the group F with the kernel N. Theorem: The embedding problem is solvable for an arbitrary algebraic number field k, if G is a decomposing extension with nilpotent kernel. The proof is based on the same considerations made by the author in former papers [Ref 3,6,8], only instead of the field Card1/2

The Embedding Problem for De Imposing Extensions

of Scholz he applies the so-called relative Scholz field. Before proving the theorem the author gives three auxiliary theorems on embedding problems in the mentioned peculiarly defined relative Scholz fields.

There are 10 references, 5 of which are Soviet, 4 German, and 1 American.

PRESENTED: February 18, 1958, by I.M. Vinogradov, Academician

SUBMITTED: February 17, 1958

1. Mathematics

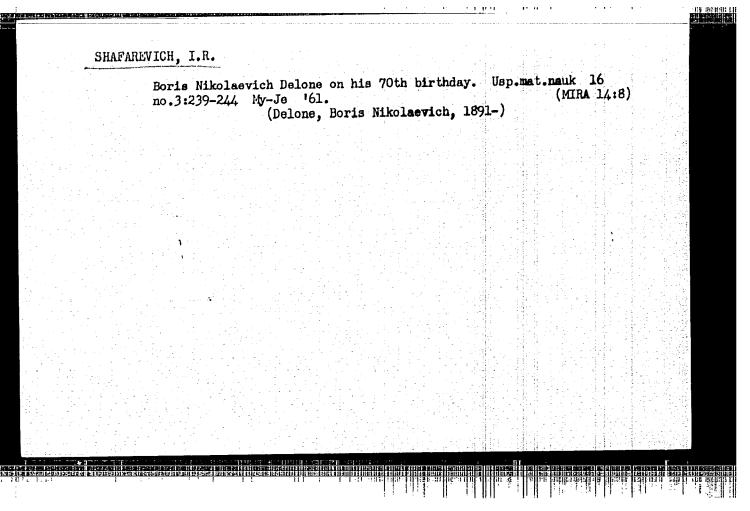
16(1) 507/42-14-2-13/19 Shafarevich, I.R. AUTHOR: Impressions of the International Mathematical Congress in TITLE: Edinburgh PERIODICAL: Uspekhi matematicheskikh nauk, 1959, Vol 14, Nr 2, pp 243-246 (USSR) The most essential impression of the author is the confirma-ABSTRACT: that in mathematics changes on principle tion of his have taken place during the last ten years, where the motive power is homological algebra. Then the author gives a survey on the most essential western addresses. Soviet contributions are assumed to be known and they are not mentioned. Card 1/1

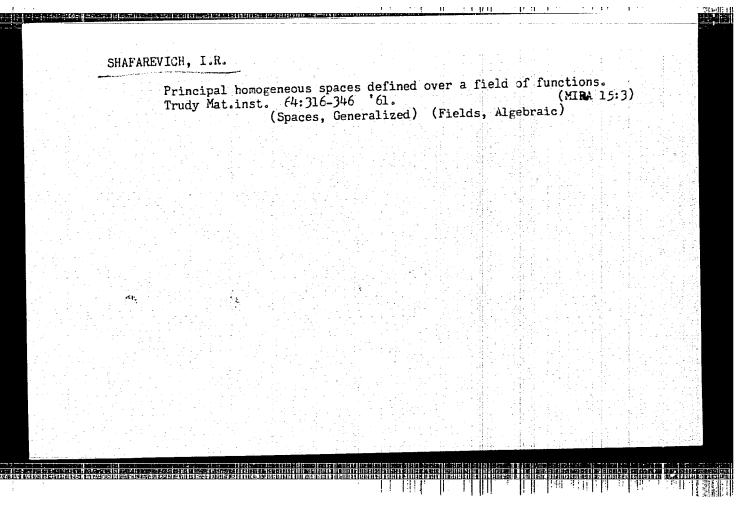
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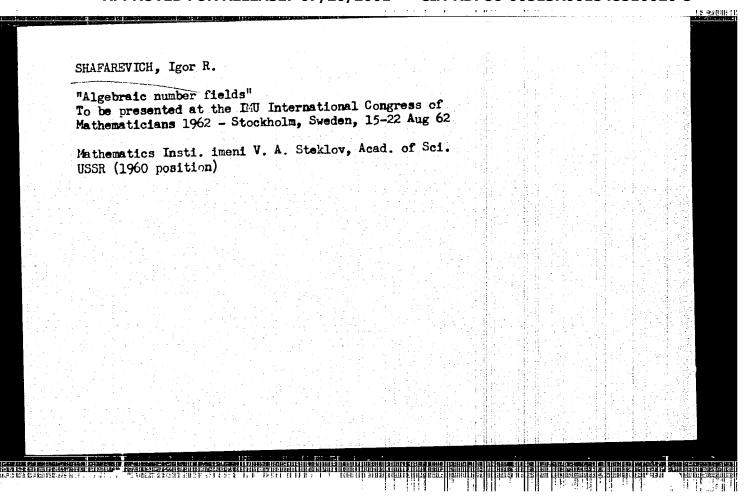
SOV/38-23-6-3/11 16(1) 16.1200 Demishkin, S.P., Shafarevich, I.R. AUTHORS: Embedding Problem for Local Fields PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1959, TITLE: Vol 23, Nr 6, pp 823 - 840 (USSR) The authors investigate conditions under which a given finite normal extension k/S with the Galois group F can be em-ABSTRACT: bedded into a larger extension K/S2 with the Galois group G, whereby the given epimorphic mapping $\Psi: G \to F$ is realized as homomorphism of the Galois group of the field onto the Galois group of the subfield. The authors suppose the kernel A of 4 to be abelian. By means of the fundamental properties of the cohomology groups of local fields (of finite extensions of the field of p-adic numbers) the authors show that the conditions of D.K. Faddeyev / Ref 3 7 and H. Hasse only necessary for the solubility FRef 4_7, which are of the considered embedding problem, are also sufficient in the case of local fields. From this it follows that in the case of an algebraic number field k/2 the conditions of Faddeyev - Hasse are equivalent to the solubility of all corresponding p-adic embedding problems for fields kp/12p

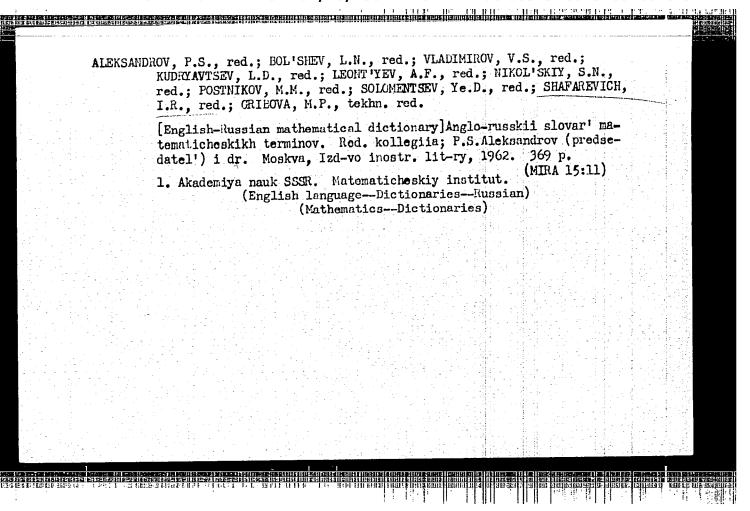
| Embedding Pr | roblem for Local Fields | SOV/38-23-6-3/11 | |
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| | and for all prime divisors o. Altogether there are 4 theorems and 2 le There are 4 figures, and 5 references, 3 German, and 1 American. | emmata. 1 of which is Soviet, | |
| SUBMITTED: | June 18, 1959 | | |
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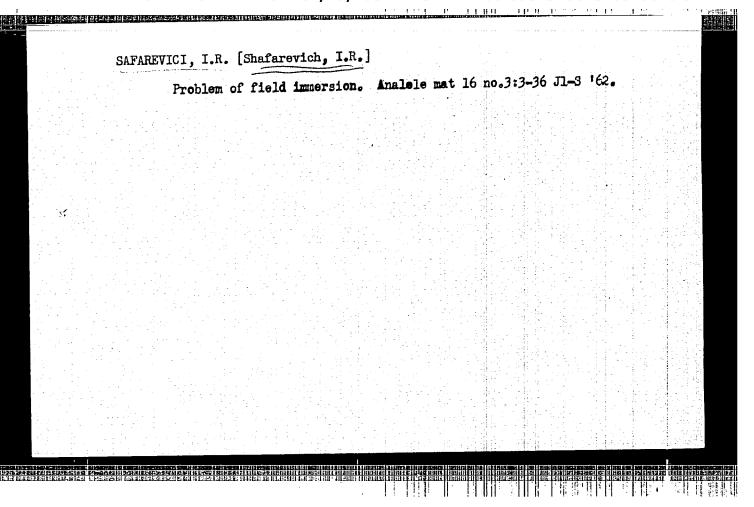
16(1) AUTHOR: Shafarevich, I.R. Corresponding Member, SOV/20-124-1-10/69 Academy of Sciences, USSR TITLE: Group of Principal Homogeneous Algebraic Manifolds (Gruppa glavnykh odnorodnykh algebraicheskikh mnogoobraziy) Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 1, pp 42-43 (USSR) PERIODICAL: The author considers the group $\mathcal{L}_{\mathcal{L}}(\infty,k)$ of principal homo-ABSTRACT: geneous algebraic manifolds defined by A. Weil Ref 1], where additional statement concerning the relation $\mathscr{L}(\mathfrak{A},k)\cong H'(\mathfrak{h},x)$ formerly proved by the author [Ref 2], and three further theorems which, however, are already surpassed by the results of J. Tate [Ref 8] and others. There are 8 references, 4 of which are Soviet, 1 American, 1 German, 1 French, and 1 Swedish. ASSOCIATION: Matematicheskiy institut imeni V.A. Steklova AN SSSR (Mathematical Institute imeni V.A. Steklov, AS USSR) SUBMITTED: September 13,1958 Card 1/1

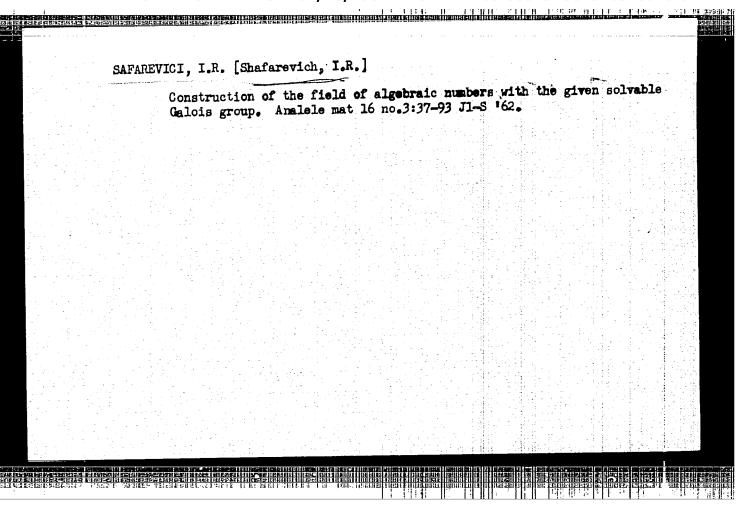


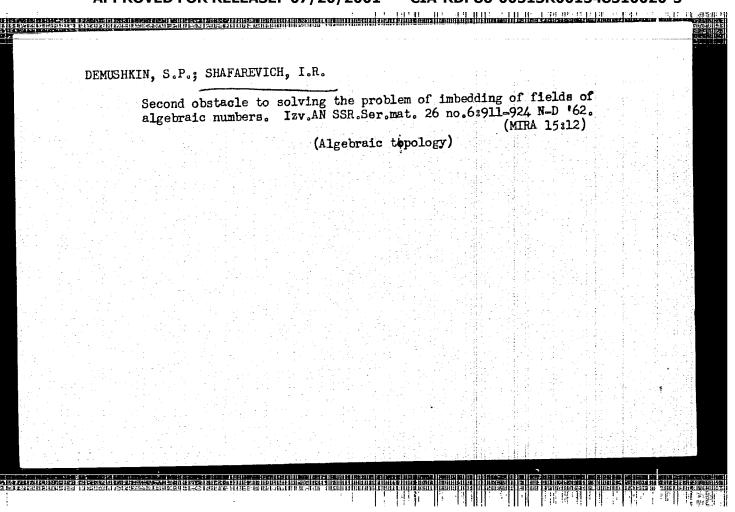


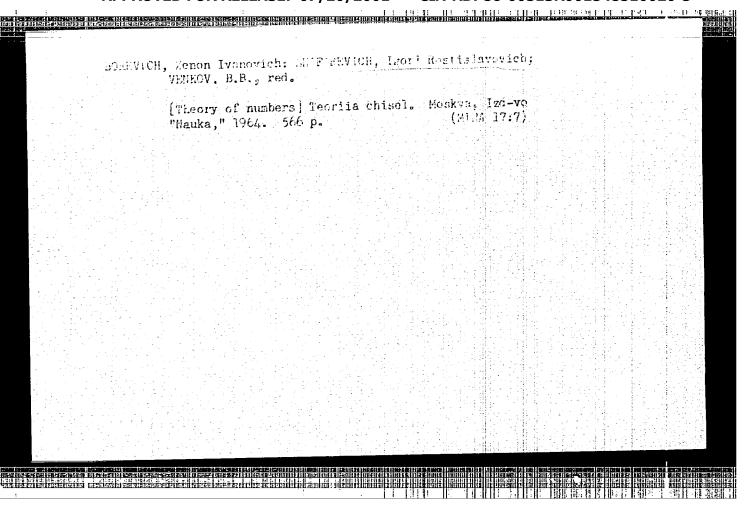


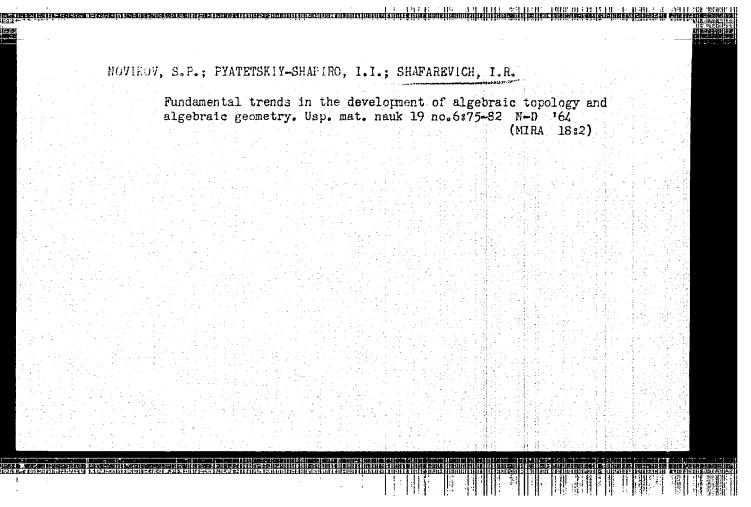


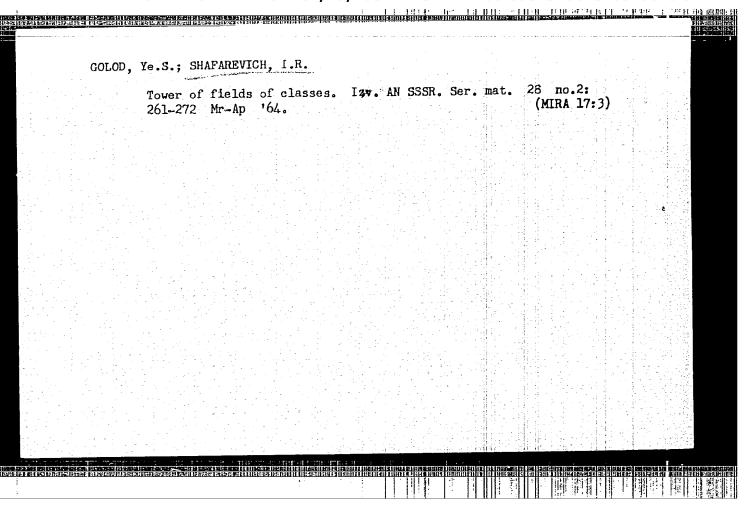


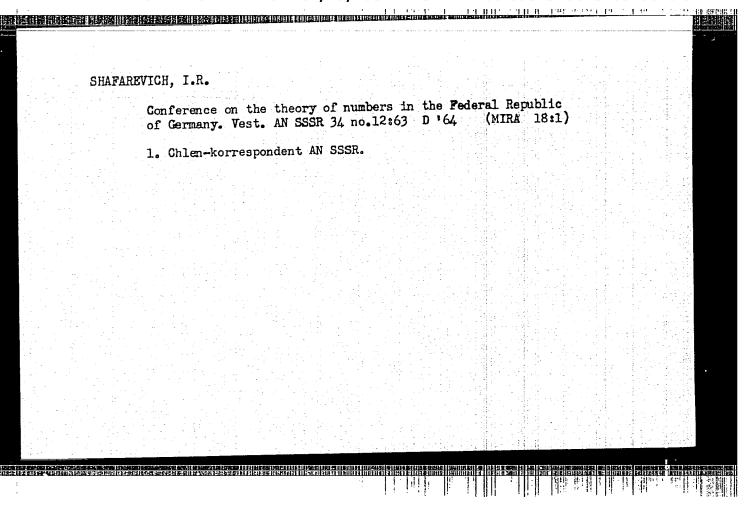


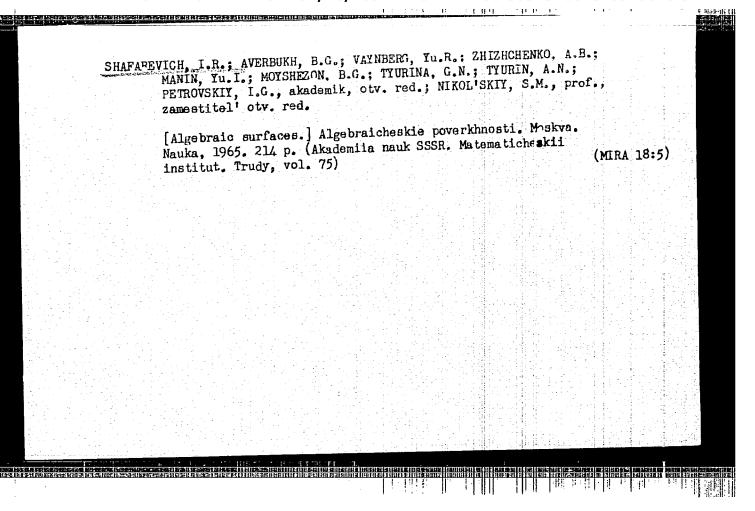






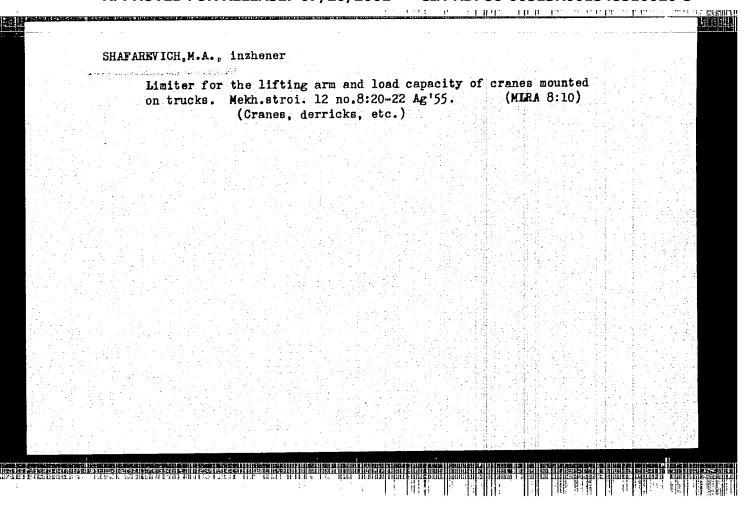


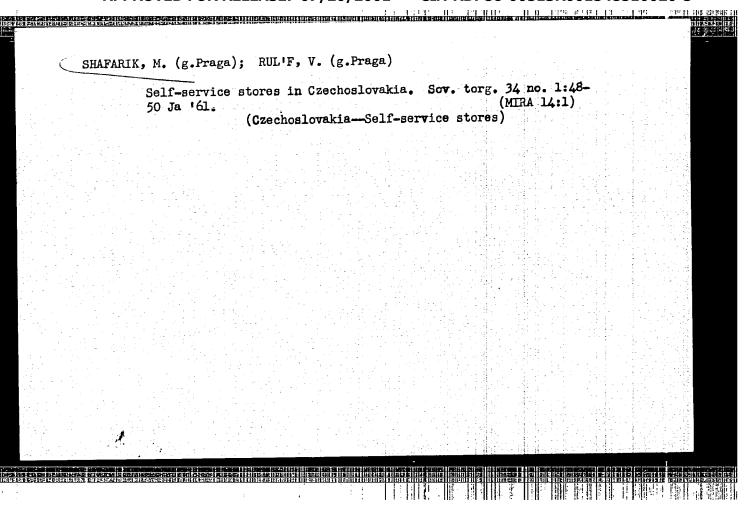




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| Galois Theory of Transc | endental Extensions and Uniformization" | |
| Moscow, Izvestiya Akademii N | auk SSSR, Seriya Matematicheskaya, Vol. 30, No 3, | 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| 1966, pp 671-704 | 근본이 시민의 의사 가는 생활을 몰라는 말로 들다. | |
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| AUTHOR: Kostrikin, A. I.; Shafarevich, I.R. (Corresponding member AN SSSR) ORG: Mathematics Institute im. V. A. Steklov, AN SSSR (Matematicheskiy institut AN SSSR) TITLE: Pseudo-groups of Cartan and the P-Algebra of Lie SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 740-742 TOPIC TACS: algebra, mathematics SUB CODE: 12 ADSTRACT: After briefly describing Lie algebras, the authors analyze some analogs of Cartan algebra over an algebraically closed field Ka of characteristics P> 0. The authors indicate that Cartan-type algebras, together with the classical algebras, exhaust all simple P-algebras of Lie (P>5). They also hypothesize that if a simple Lie P-algebra (P>5) contains no invariant sub-algebra, then is a classical-type algebra. Orig. art. has: 1 formula. [FRS: 38,417] | ACC NR: AP7007071 SOURCE CODE: UR/0020/66/168/004/0740/0742 | |
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| institut AN SSSR) TITLE: Pseudo-groups of Cartan and the P-Algebra of Lie SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 740-742 TOPIC TAGS: algebra, mathematics SUB CODE: 12 ABSTRACT: After briefly describing Lie algebras, the authors analyze some analogs of Cartan algebra over an algebraically closed field Ka of characteristics P> 0. The authors indicate that Cartan-type algebras, together with the classical algebras, exhaust all simple P-algebras of Lie (P>5). They also hypothesize that if a simple Lie Palgebra (P>5) contains no invariant sub-algebra, then is a classical-type algebra. Orig. art. has: 1 formula. [JPRS: 38,417] | AUTHOR: Wostrikin, A. I.; Shafarevich, I.R. (Corresponding member AN SSSR) | |
| | institut AN SSSR) TITLE: Pseudo-groups of Cartan and the P-Algebra of Lie SOURCE: AN SSSR. Doklady, v. 168, no. 4, 1966, 740-742 TOPIC TAGS: algebra, mathematics SUB CODE: 12 ABSTRACT: After briefly describing Lie algebras, the authors analyze some analogs of Cartan algebra over an algebraically closed field Ka of characteristics P> 0. The authors indicate that Cartan-type algebras, together with the classical algebras, exhaust all simple P-algebra of Lie (P>5). They also hypothesize that if a simple Lie P-algebra (P>5) contains no invariant sub-algebra, then is a classical-type algebra. | |
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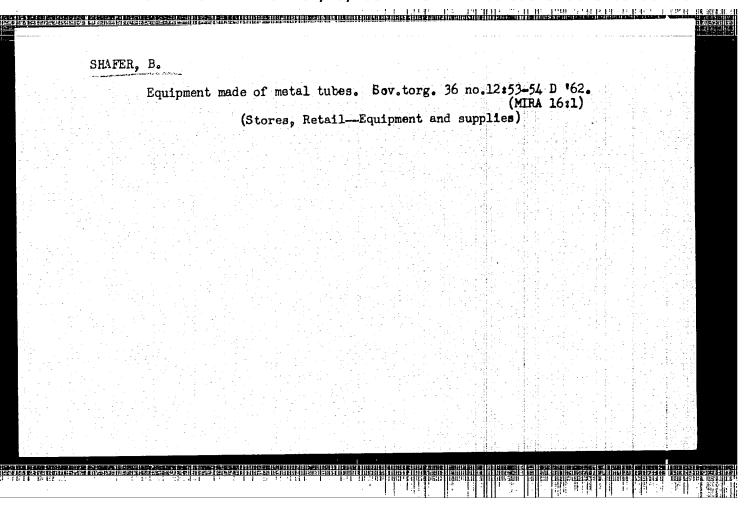


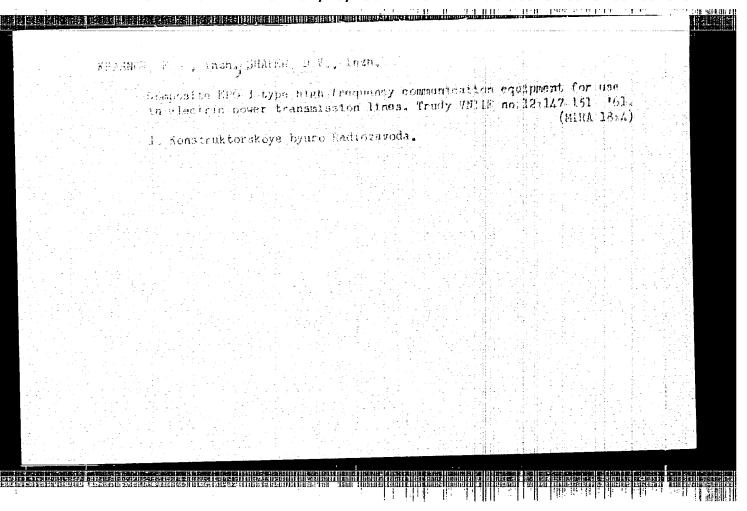


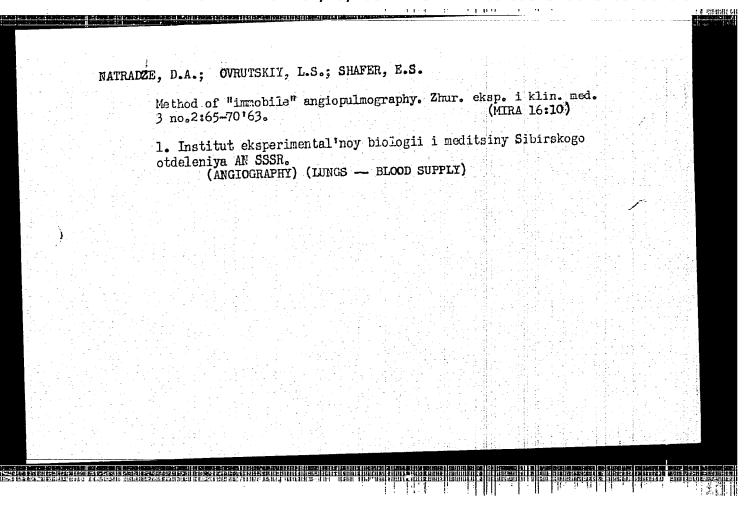
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| 4. | Golyarkin, F.Ye | |
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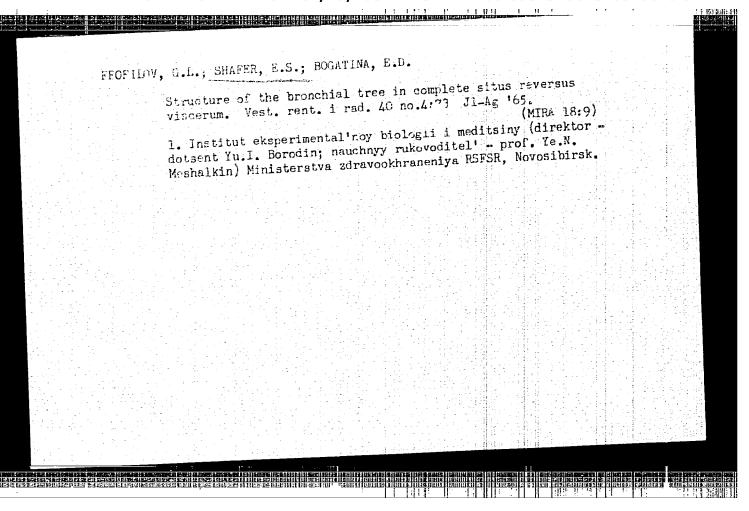
| | L 9854-66. EVT(1)/T/EWA(h) IJP(c) AT ACC NR: AP6003745 SOURCE CODE: CZ/0017/65/054/001/0001/0004 AUTHOR: Safar, Lubomir—Shafarzh, L. (Engineer) ORG: CKD, n. p., Prague TITLE: Current capacity of semiconductor rectifier cells SOURCE: Elektrotechnicky obzor, v. 54, no. 1, 1965, 1-4 21, 44, 55 TOPIC TAGS: semiconductor rectifier, semiconductor research, electric current |
|---------------|---|
| | ABSTRACT: Interrelations of the main parameters of semiconductor rectifier cells are described with respect to optimum utilization. Expressions are presented for determining the temperature of the p-n junction, the temperature of the cooling medium, the characteristics of the rectifier cell, the power loss and the permissible current capacity. Also included are curves for the current capacity of CKD semiconductor rectifier cells, and a comprehensive nomogram for the interrelations of the main parameters influencing the current capacity of the rectifier cell. This work was presented by Engr. M. Kubat, Candidate of Sciences. Orig. art. has: 6 figures, 5 formulas, and 1 table. [JPRS] |
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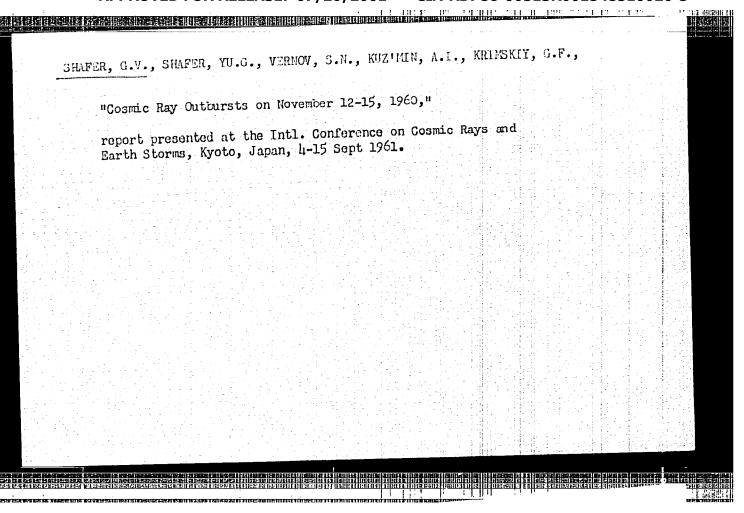
| Shararav, M. A. | | | | | |
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| Skorostnaia tekhnolog | giia (High-speed te | hnology). Cheli | isogis, 1952. | . 69 p. | |
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3/169/61/000/005/032/049 3,2410 A005/A130 3,1800 (1041,1046) Kuz'min, A.I., Sokolov, V.D., Shafer, G.V. AUTHORS: On the 27-day variations of cosmic ray intensity Referativnyy zhurnal, Geofizika, no. 5, 1961, 13, abstract TITLE: 5 G 102. (Tr. Yakutskogo fil. AN SSSR. Ser. fiz., 1960, no.3, PERIODICAL: The authors studied the nature of the 27-day variations of 111-115) cosmic ray intensity on the basis of data from recordings at Yakutsk in 1957-1958. Using the epoch superposition method, they determined the amplitudes of the 27-day variations in intensity of the neutron component at the earth's surface and the hard component at depths of 0.7, 20 and 60 m of w.e.. They show that the results obtained do not agree with the assumption that 27-day variations are meteorological in nature. In view of the fact that the minima of the 27-day variations coincide with effective magnetic storms and that the ratios of the amplitudes of the 27-day variations of the different components are close to the ratios of the amplitudes Card 1/2

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On the 27-day variations of cosmic ray intensity A005/A130

of the Forbush effect of these components, the authors assume that these two types of variation are of common nature. They calculated the spectrum of the primary variations of intensity that satisfies the experimental results. In high energy regions the spectrum has the form:

$$\frac{\delta D}{D}$$
 (8) = a8 -(0.5 + 0.7)

N.K.

[Abstractor's note: Complete translation.]

Card 2/2

3.2410 3,1800 (1041,1046) s/169/61/000/005/033/049 A005/A130

AUTHORS:

Freydman, G.I., Shafer, G.V.

TITLE:

Some results of comparing the variations of neutron and hard

components for the period August - October 1957

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 5, 1961, 13, abstract 5 G 103. (Tr. Yakutskogo fil. AN SSSR. Ser. fiz., 1960,

no. 3, 116-120)

The authors analyze the data from recordings of neutron and hard components obtained at Yakutsk for the period August - October 1957. They show that the variation spectrum of the intensity decrease of cosmic rays associated with magnetic storms has an upper limit of € ≥90 Bev; in years of low solar activity (1951), the upper limit of the wariation spectrum did not exceed 80 - 90 Bev. It is noted that during the first 2 - 4 days after the maximum of the Forbush effect the character of the diurnal variations of intensity varies sharply as compared with quiet days.

[Abstractor's note: Complete translation.]

Card 1/1

21493 s/020/61/137/004/017/031 B104/B206 9,9130 (incl. 2305, 2705) Kuz'min, A. I., Krymskiy, G. F., Shafer, G. V., and AUTHORS: Schafer, Yu. G. Cosmic radiation flares from November 12 to 15, 1960 Doklady Akademii nauk SSSR, v. 137, no. 4, 1961, 844-847 TITLE: TEXT: During the period of November 12 to 17, 1960, intense commic radia-PERIODICAL: tion, connected with events on the sun, were observed in Yakutsk (geomagnetic latitude 510) by continuous observations. The recordings are shown in the two figures. The sudden intensity increase of the neutron component started on November 12, at:13 hr 45 min (1345 UT) universal time and coincided with the start of a very strong magnetic storm (1348 UT). At 1630 UT the intensity reached a maximum, which was 65 % higher than the normal value. At 1815 UT a second rise of the intensity started and reached a maximum value at 2000 UT, which was 100 % higher than the normal value. Both times radio waves were totally absorbed in the ionosphere above Yakutsk. With the start of the second rise of the neutron component, a drop of the Forbush type was indicated by all recording devices for the Card 1/8. i h